SEQUENCE LISTING

(1) INFORMATION FOR SEQ ID NO. 1:

- (i) LENGTH: 365 amino acids
- (ii) MOLECULE TYPE: protein
- (vi) ORIGINAL SOURCE:
- 65 70 75 80
- Asp Lys Ala Lys Asn Leu Lys Leu Val Val Val Ala Gly Val Gly Ser 85 90 95
- Asp His Ile Asp Leu Asp Tyr Ile Asn Gln Thr Gly Lys Lys Ile Ser 100 105 110
- Val Leu Glu Val Thr Gly Ser Asn Val Val Ser Val Ala Glu His Val
 115 120 125
- Val Met Thr Met Leu Val Leu Val Arg Asn Phe Val Pro Ala His Glu 130 135 140
- Tyr Asp Ile Glu Gly Lys Thr Ile Ala Thr Ile Gly Ala Gly Arg Ile 165 170 175

Gly	Tyr	Arg	Val 180	Leu	Glu	Arg	Leu	Leu 185	Pro	Phe	Asn	Pro	Lys 190	Glu	Leu
Leu	Tyr	Tyr 195	Asp	Tyr	Gln	Ala	Leu 200	Pro	Lys	Glu	Ala	Glu 205	Glu	Lys	Val
Gly	Ala 210	Arg	Arg	Val	Glu	Asn 215	Ile	Glu	Glu	Leu	Val 220	Ala	Gln	Ala	Asp
Ile 225	Val	Thr	Val	Asn	Ala 230	Pro	Leu	His	Ala	Gly 235	Thr	Lys	Gly	Leu	Ile 240
Asn	Lys	Glu	Leu	Leu 245	Ser	Lys	Phe	Lys	Lys 250	Gly	Ala	Trp	Leu	Val 255	Asn
Thr	Ala	Arg	Gly 260	Ala	Ile	Сув	Val	Ala 265	Glu	Asp	Val	Ala	Ala 270	Ala	Leu
Glu	Ser	Gly 275	Gln	Leu	Arg	Gly	Tyr 280	Gly	Gly	Asp	Val	Trp 285	Phe	Pro	Gln
Pro	Ala 290	Pro	Lys	Asp	His	Pro 295	Trp	Arg	Asp	Met	Arg 300	Asn	Lys	Tyr	Gly
Ala 305	Gly	Asn	Ala	Met	Thr 310	Pro	His	Tyr	Ser	Gly 315	Thr	Thr	Leu	Asp	Ala 320
Gln	Thr	Arg	Tyr	Ala 325	Glu	Gly	Thr	Lys	Asn 330	Ile	Leu	Glu	Ser	Phe 335	Phe
Thr	Gly	Lys	Phe 340	Asp	Tyr	Arg	Pro	Gln 345	Asp	Ile	Ile	Leu	Leu 350	Asn	Gly
Glu	Tyr	Val 355	Thr	Lys	Ala	Tyr	Gly 360	Lys	His	Asp	Lys	Lys 365			

- (2) INFORMATION FOR SEQ ID NO. 2:
 - (i) LENGTH: 367 amino acids
 - (ii) MOLECULE TYPE: protein
 - (vi) ORIGINAL SOURCE:
 - (a)ORGANISM: Candida boidinii

Met Gly Lys Ile Phe Asp Tyr Met Glu Lys Tyr Asp Tyr Glu Gln Leu 15 Val Met Cys Gln Asp Lys Glu Ser Gly Leu Lys Ala Ile Ile Cys Ile 20 25 30 His Val Thr Thr Leu Gly Pro Ala Leu Gly Gly Met Arg Met Trp Thr 35 40 45 Tyr Ala Ser Glu Glu Glu Ala Ile Glu Asp Ala Leu Arg Leu Gly Arg 55 Gly Met Thr Tyr Lys Asn Ala Ala Gly Leu Asn Leu Gly Gly 70 75 Lys Thr Val Ile Ile Gly Asp Pro Arg Lys Asp Lys Asn Glu Ala Met 90 Phe Arg Ala Leu Gly Arg Phe Ile Gln Gly Leu Asn Gly Arg Tyr Ile 105 Thr Ala Glu Asp Val Gly Thr Thr Val Glu Asp Met Asp Ile Ile His 115 120 125 Glu Glu Thr Arg Tyr Val Thr Gly Val Ser Pro Ala Phe Gly Ser Ser 130 135 140 Gly Asn Pro Ser Pro Val Thr Ala Tyr Gly Val Tyr Arg Gly Met Lys 145 150 155 160

185

170

175

190

Ala Ala Lys Glu Ala Phe Gly Asp Asp Ser Leu Glu Gly Lys Val

Val Ala Val Gln Gly Val Gly His Val Ala Tyr Glu Leu Cys Lys His

165

180

Leu	His	Asn 195	Glu	Gly	Ala	Lys	Leu 200	Ile	Val	Thr	Asp	Ile 205	Asn	Lys	Glu
Asn	Ala 210	Asp	Arg	Ala	Val	Gln 215	Glu	Phe	Gly	Ala	Glu 220	Phe	Val	His	Pro
Asp 225	Lys	Ile	Tyr	Asp	Val 230	Glu	Cys	Asp	Ile	Phe 235	Ala	Pro	Cys	Ala	Leu 240
Gly	Ala	Ile	Ile	Asn 245	Asp	Glu	Thr	Ile	Glu 250	Arg	Leu	Lys	Cys	Lys 255	Val
Val	Ala	Gly	Ser 260	Ala	Asn	Asn	Gln	Leu 265	Lys	Glu	Glu	Arg	His 270	Gly	Lys
Met	Leu	Glu 275	Glu	Lys	Gly	Ile	Val 280	Tyr	Ala	Pro	Asp	Tyr 285	Val	Ile	Asn
Ala	Gly 290	Gly	Val	Ile	Asn	Val 295	Ala	Asp	Glu	Leu	Leu 300	Gly	Tyr	Asn	Arg
Glu 305	Arg	Ala	Met	Lys	Lys 310	Val	Glu	Gly	Ile	Tyr 315	Asp	Lys	Ile	Leu	Lys 320
Val	Phe	Glu	Ile	Ala 325	Lys	Arg	Asp	Gly	Ile 330	Pro	Ser	Tyr	Leu	Ala 335	Ala
Asp	Arg	Met	Ala 340	Glu	Glu	Arg	Ile	Glu 345	Met	Met	Arg	Lys	Thr 350	Arg	Ser
Thr	Phe	Leu 355	Gln	Asp	Gln	Arg	Asn 360	Leu	Ile	Asn	Phe	Asn 365	Asn	Lys	

- (3) INFORMATION FOR SEQ ID NO. 3:
 - (i) LENGTH: 640 amino acids
 - (ii) MOLECULE TYPE: protein
 - (vi) ORIGINAL SOURCE:

(a)ORGANISM: Candida boidinii

- Met Ala Ser Ala Pro Ile Gly Ser Ala Ile Ser Arg Asn Asn Trp Ala 1 5 10 15
- Val Thr Cys Asp Ser Ala Gln Ser Gly Asn Glu Cys Asn Lys Ala Ile 20 25 30
- Asp Gly Asn Lys Asp Thr Phe Trp His Thr Phe Tyr Gly Ala Asn Gly 35 40 45
- Asp Pro Lys Pro Pro His Thr Tyr Thr Ile Asp Met Lys Thr Thr Gln 50 55 60
- Asn Val Asn Gly Leu Ser Met Leu Pro Arg Gln Asp Gly Asn Gln Asn 65 70 75 80
- Gly Trp Ile Gly Arg His Glu Val Tyr Leu Ser Ser Asp Gly Thr Asn 85 , 90 95
- Trp Gly Ser Pro Val Ala Ser Gly Ser Trp Phe Ala Asp Ser Thr Thr 100 105 110
- Lys Tyr Ser Asn Phe Glu Thr Arg Pro Ala Arg Tyr Val Arg Leu Val 115 120 125
- Ala Ile Thr Glu Ala Asn Gly Gln Pro Trp Thr Ser Ile Ala Glu Ile 130 135 140
- Asn Val Phe Gln Ala Ser Ser Tyr Thr Ala Pro Gln Pro Gly Leu Gly 145 150 155 160
- Arg Trp Gly Pro Thr Ile Asp Leu Pro Ile Val Pro Ala Ala Ala Ala 165 170 175
- Ile Glu Pro Thr Ser Gly Arg Val Leu Met Trp Ser Ser Tyr Arg Asn 180 185 190

Asp	Ala	Phe 195	Gly	Gly	Ser	Pro	Gly 200	Gly	Ile	Thr	Leu	Thr 205	Ser	Ser	Trp
Asp	Pro 210	Ser	Thr	Gly	Ile	Val 215	Ser	Asp	Arg	Thr	Val 220	Thr	Val	Thr	Lys
His 225	Asp	Met	Phe	Cys	Pro 230	Gly	Ile	Ser	Met	Asp 235	Gly	Asn	Gly	Gln	Ile 240
Val	Val	Thr	Gly	Gly 245	Asn	Asp	Ala	Lys	Lys 250	Thr	Ser	Leu	Tyr	Asp 255	Ser
Ser	Ser	Asp	Ser 260	Trp	Ile	Pro	Gly	Pro 265	Asp	Met	Gln	Val	Ala 270	Arg	Gly
Tyr	Gln	Ser 275	Ser	Ala	Thr	Met	Ser 280	Asp	Gly	Arg	Val	Phe 285	Thr	Ile	Gly
Gly	Ser 290	Trp	Ser	Gly	Gly	Val 295	Phe	Glu	Lys	Asn	Gly 300	Glu	Val	Tyr	Ser
Pro 305	Ser	Ser	Lys	Thr	Trp 310	Thr	Ser	Leu	Pro	Asn 315	Ala	Lys	Val	Asn	Pro 320
Met	Leu	Thr	Ala	Asp 325	Lys	Gln	Gly	Leu	Tyr 330	Arg	Ser	Asp	Asn	His 335	Ala
Trp	Leu	Phe	Gly 340	Trp	Lys	Lys	Gly	Ser 345	Val	Phe	Gln	Ala	Gly 350	Pro	Ser
Thr	Ala	Met 355	Asn	Trp	Tyr	Tyr	Thr 360	Ser	Gly	Ser	Gly	Asp 365	Val	Lys	Ser
Ala	Gly 370	Lys	Arg	Gln	Ser	Asn 375	Arg	Gly	Val	Ala	Pro 380	Asp	Ala	Met	Cys
Gly 385	Asn	Ala	Val	Met	Tyr 390	Asp	Ala	Val	Lys	Gly 395	Lys	Ile	Leu	Thr	Phe 400
Gly	Gly	Ser	Pro	Asp 405	Tyr	Gln	Asp	Ser	Asp 410	Ala	Thr	Thr	Asn	Ala 415	His
Ile	Ile	Thr	Leu 420	Gly	Glu	Pro	Gly	Thr 425	Ser	Pro	Asn	Thr	Val 430	Phe	Ala

Ser	Asn	Gly 435	Leu	Tyr	Phe	Ala	Arg 440	Thr	Phe	His	Thr	Ser 445	Val	Val	Leu
Pro	Asp 450	Gly	Ser	Thr	Phe	Ile 455	Thr	Gly	Gly	Gln	Arg 460	Arg	Gly	Ile	Pro
Phe 465	Glu	Asp	Ser	Thr	Pro 470	Val	Phe	Thr	Pro	Glu 475	Ile	Tyr	Val	Pro	Glu 480
Gln	Asp	Thr	Phe	Tyr 485	Lys	Gln	Asn	Pro	Asn 490	Ser	Ile	Val	Arg	Val 495	Tyr
His	Ser	Ile	Ser 500	Leu	Leu	Leu	Pro	Asp 505	Gly	Arg	Val	Phe	Asn 510	Gly	Gly
Gly	Gly	Leu 515	Cys	Gly	Asp	Cys	Thr 520	Thr	Asn	His	Phe	Asp 525	Ala	Gln	Ile
Phe	Thr 530	Pro	Asn	Tyr	Leu	Tyr 535	Asn	Ser	Asn	Gly	Asn 540	Leu	Ala	Thr	Arg
Pro 545	Lys	Ile	Thr	Arg	Thr 550	Ser	Thr	Gln	Ser	Val 555	Lys	Val	Gly	Gly	Arg 560
Ile	Thr	Ile	Ser	Thr 565	Asp	Ser	Ser	Ile	Ser 570	Lys	Ala	Ser	Leu	Ile 575	Arg
Tyr	Gly	Thr	Ala 580	Thr	His	Thr	Val	Asn 585	Thr	Asp	Gln	Arg	Arg 590	Ile	Pro
Leu	Thr	Leu 595	Thr	Asn	Asn	Gly	Gly 600	Asn	Ser	Tyr	Ser	Phe 605	Gln	Val	Pro
Ser	Asp 610		Gly	Val	Ala	Leu 615		Gly	Tyr	Trp	Met 620		Phe	Val	Met
Asn 625	Ser	Ala	Gly	Val	Pro 630	Ser	Val	Ala	Ser	Thr 635	Ile	Arg	Val	Thr	Gln 640